

Calculus Warm Up #12-3

1. Find the equation for the tangent line of $y = x^2 + x - 1$ at the point where $x = 1$

2. Find the absolute maximum and absolute minimum of f on the interval $(0, 3]$

$$f(x) = \frac{x^3 - 2x^2 - 3x}{x}$$

3. Take the derivative: $y = \ln \frac{x^2 \sqrt[3]{x^2 - 1}}{(x^3 - 1)^3}$

HW: AP WS # 8